

# 0. SCIAMACHY Daily Report for level 0 products

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## 0.1 General Info

This report contains a daily analysis on parameters extracted from SCIAMACHY level 0 data (The SCI\_NL\_\_0P product).

### 0.1.1 Report summary

The table below shows general characteristics of the data that are included into this report.

Item	Value
Report version	v1.3 20060731
Time of report generation	05DEC2008 04:41:45
Data source version	KSPT_L0/4303-N
Processing scope for products	01DEC2008 00:00:00 to 02DEC2008 00:00:00
Start time of first product within scope	01DEC2008 07:14:37
Stop time of last product within scope	02DEC2008 00:26:35
Total number of level 0 products	11
Number of level 0 products with errors	0

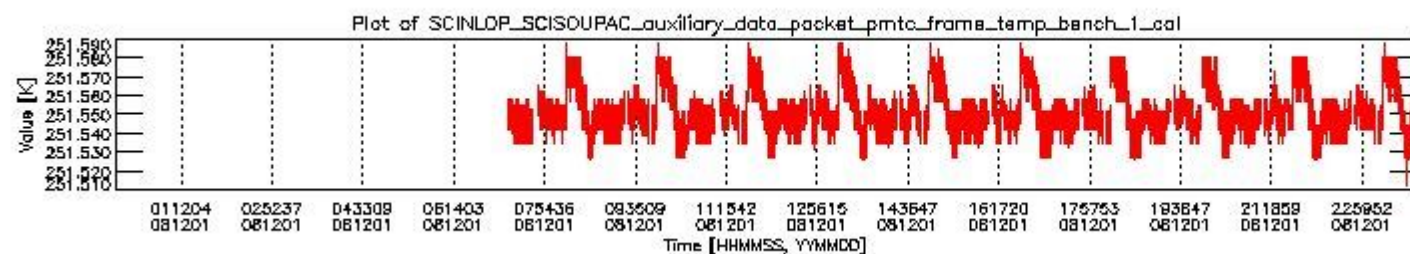
### 0.1.2 Summary per product

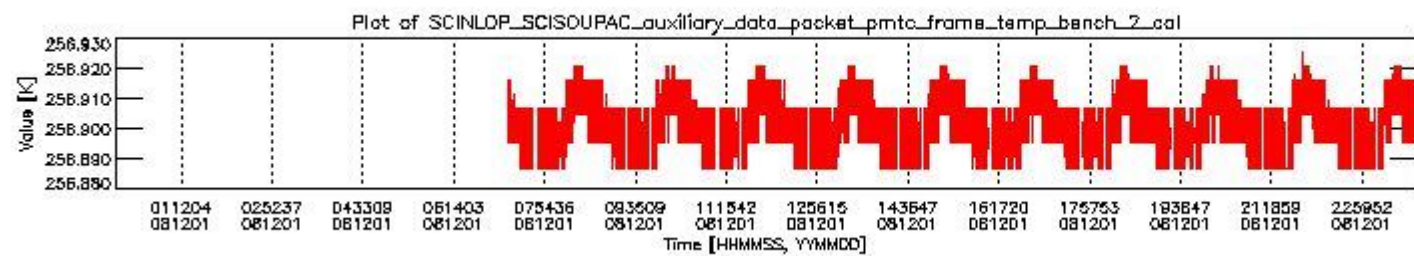
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDK20081201_071437_000041142074_00192_35316_0076.N1	01DEC2008 07:14:37	01DEC2008 08:23:11	0	0	0	0	0
1	SCI_NL__OPNPDK20081201_082215_000061482074_00193_35317_0077.N1	01DEC2008 08:22:15	01DEC2008 10:04:43	0	0	0	0	0
2	SCI_NL__OPNPDK20081201_100347_000058562074_00194_35318_0078.N1	01DEC2008 10:03:47	01DEC2008 11:41:23	0	0	0	0	0
3	SCI_NL__OPNPDK20081201_114027_000060922074_00195_35319_0079.N1	01DEC2008 11:40:27	01DEC2008 13:21:59	0	0	0	0	0
4	SCI_NL__OPNPDK20081201_132103_000059802074_00196_35320_0080.N1	01DEC2008 13:21:03	01DEC2008 15:00:43	0	0	0	0	0
5	SCI_NL__OPNPDK20081201_145825_000060362074_00197_35321_0081.N1	01DEC2008 14:58:25	01DEC2008 16:39:02	0	0	0	0	0
6	SCI_NL__OPNPDK20081201_163709_000059242074_00198_35322_0082.N1	01DEC2008 16:37:09	01DEC2008 18:15:53	0	0	0	0	0
7	SCI_NL__OPNPDK20081201_181553_000057922074_00199_35323_0083.N1	01DEC2008 18:15:53	01DEC2008 19:52:25	0	0	0	0	0
8	SCI_NL__OPNPDE20081201_195629_000038812074_00200_35324_8006.N1	01DEC2008 19:56:29	01DEC2008 21:01:10	0	0	0	0	0
9	SCI_NL__OPNPDE20081201_210002_000063702074_00200_35324_8007.N1	01DEC2008 21:00:02	01DEC2008 22:46:12	0	0	0	0	0
10	SCI_NL__OPNPDE20081201_224612_000060232074_00201_35325_8008.N1	01DEC2008 22:46:12	02DEC2008 00:26:35	0	0	0	0	0

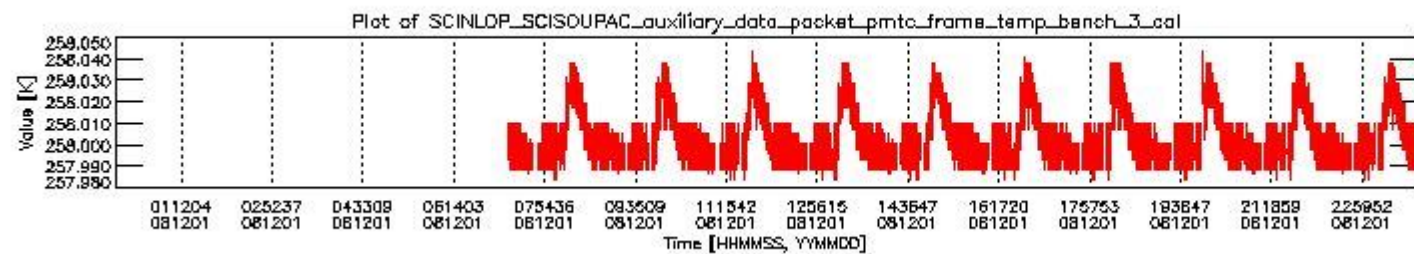
## 0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

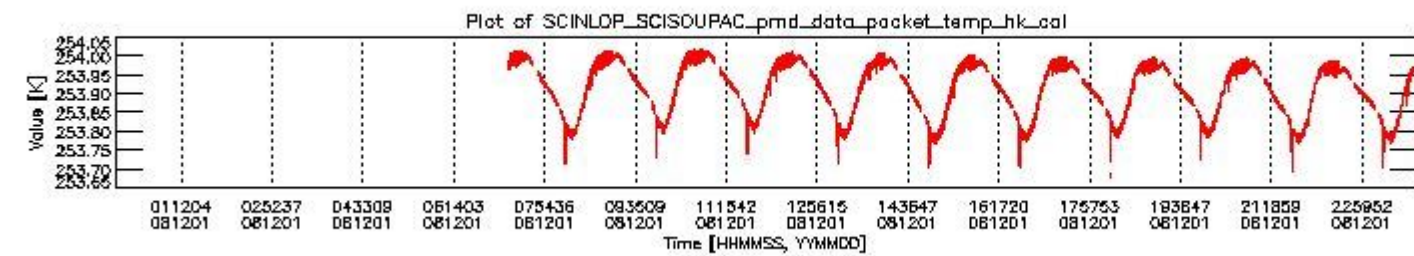




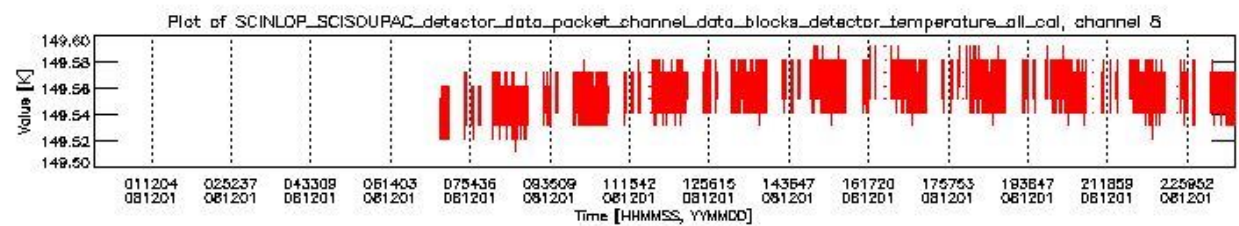
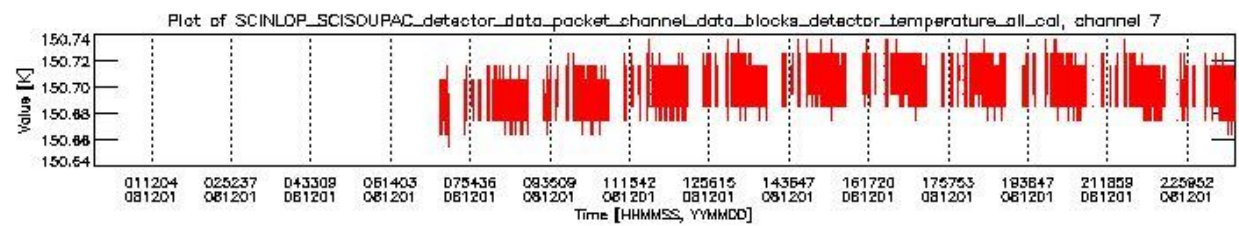
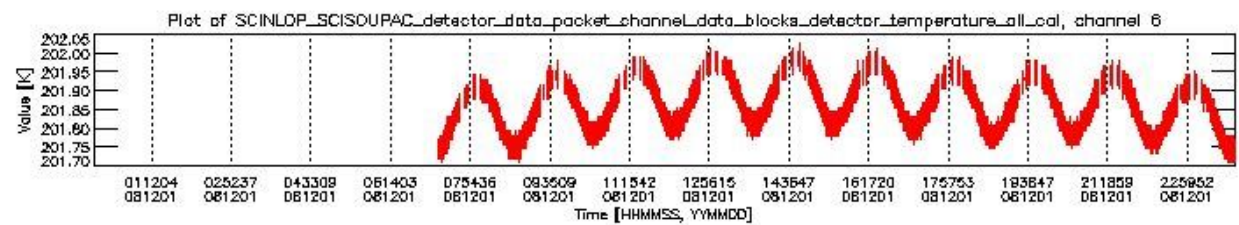
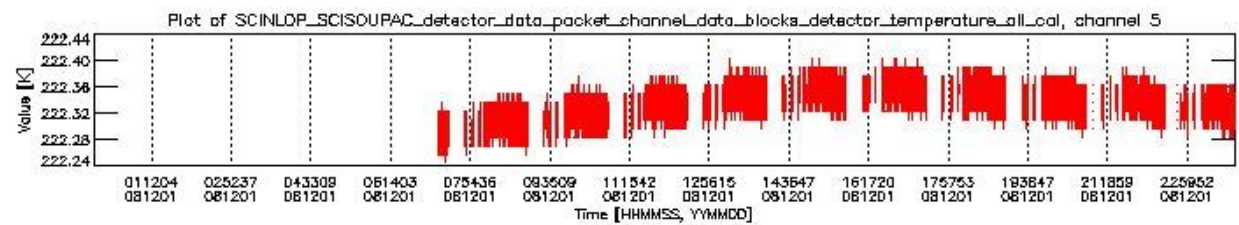
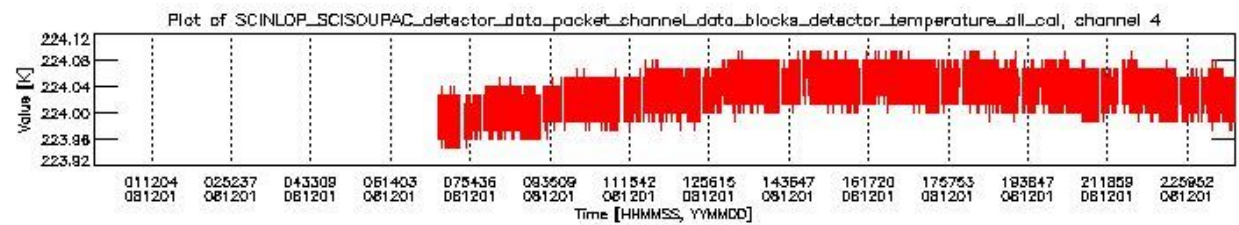
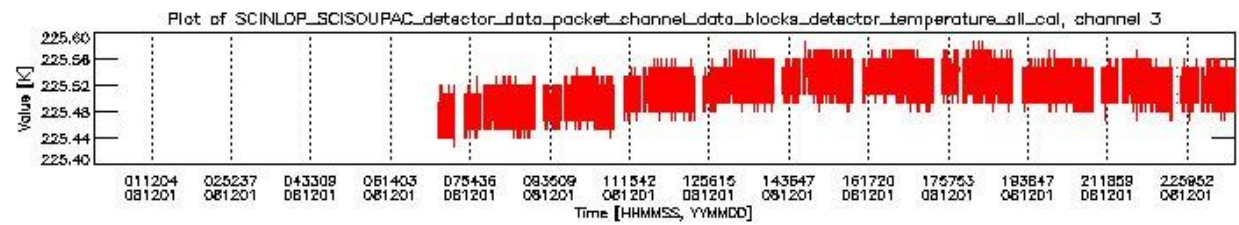
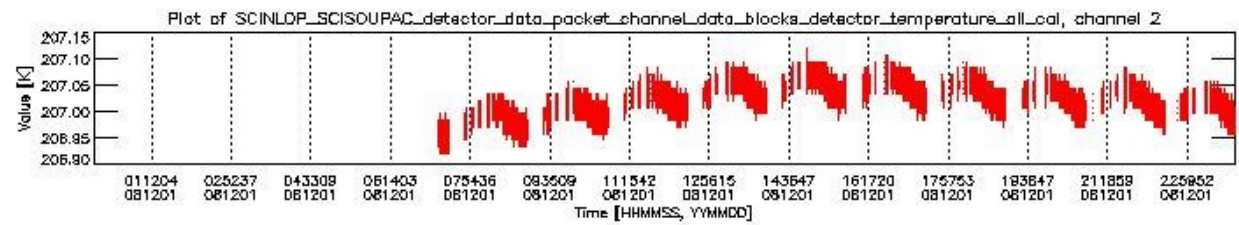
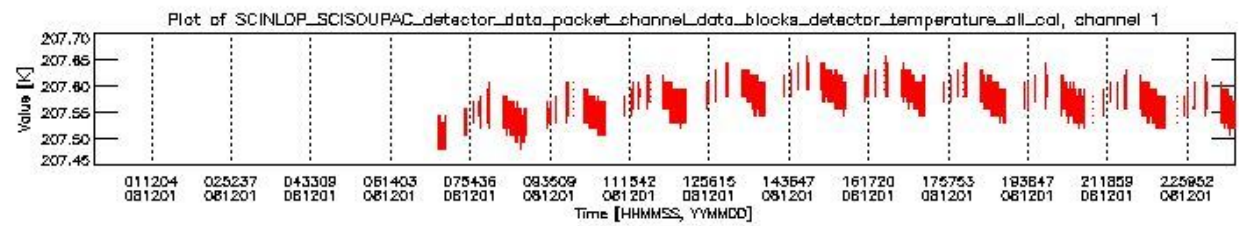
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081201\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081201\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081201\_3.PNG



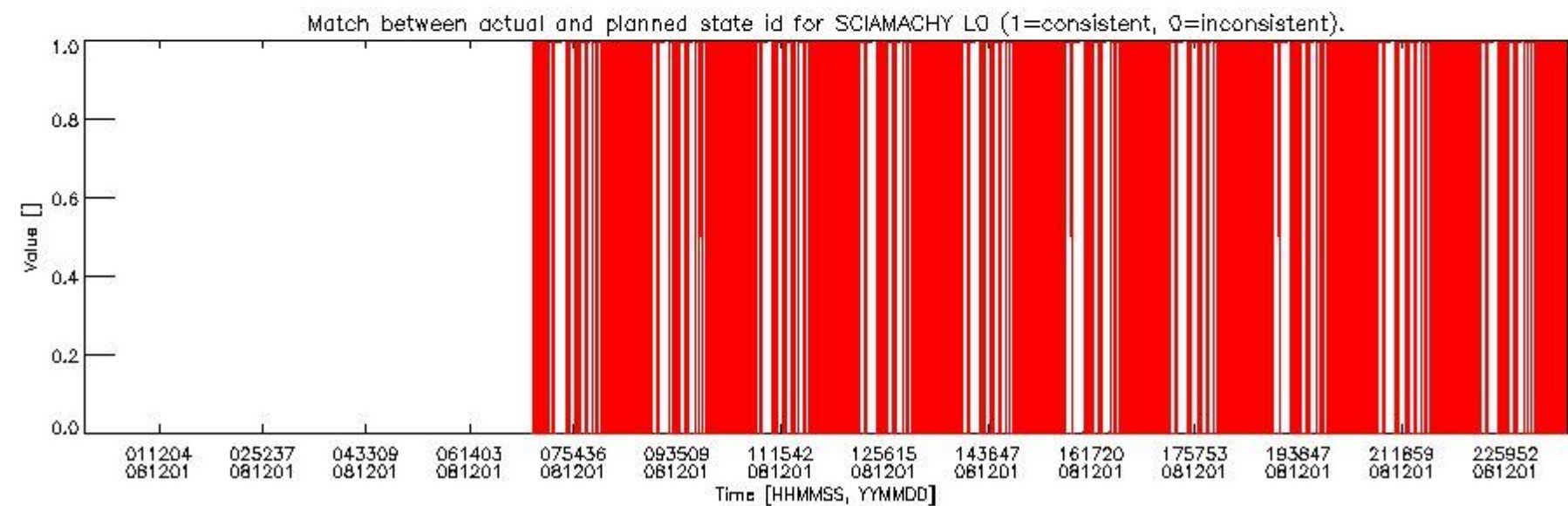
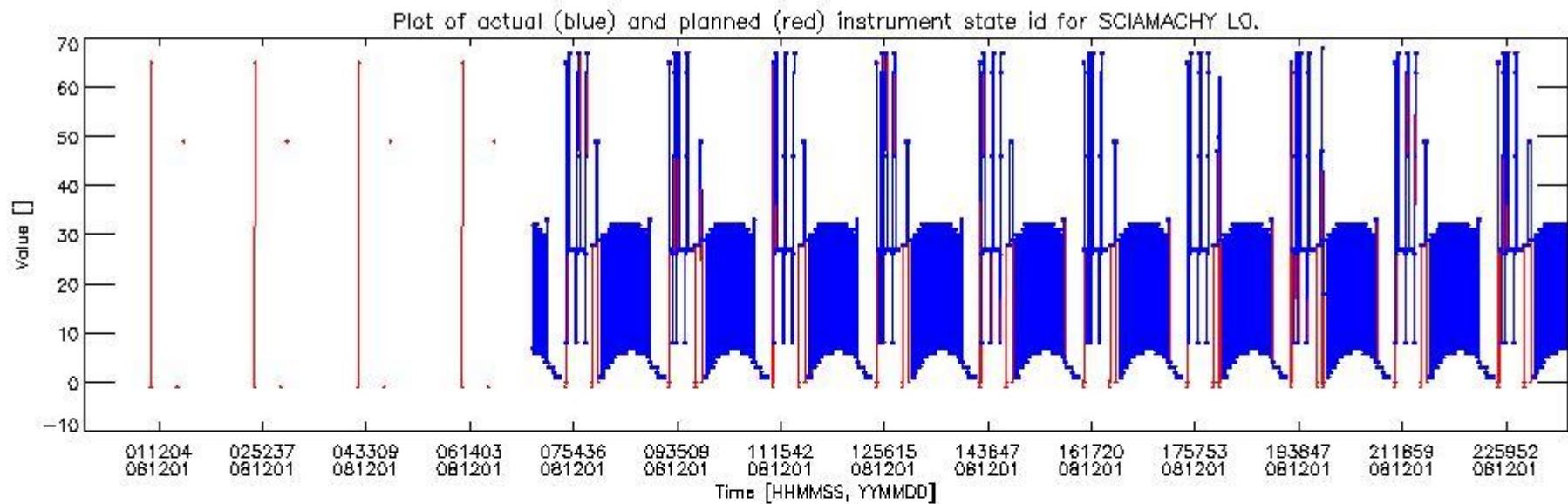


### 0.3 State monitoring

The following section shows a comparison of modelled instrument state (as calculated by the DMOP planning files and using CTI tables to derive state) and the measured state variables from the L0 product (the SCINL0P\_SCISOUPAC\_state\_id variable).

Total number of faults: **37181**

#	Actual time	Actual value	Planned time	Planned value
0	01DEC2008 07:14:37.787702	7	01DEC2008 07:14:37.787702	32
1	01DEC2008 07:14:39.162669	7	01DEC2008 07:14:39.162669	32
2	01DEC2008 07:14:39.412678	7	01DEC2008 07:14:39.412678	32
3	01DEC2008 07:14:39.662687	7	01DEC2008 07:14:39.662687	32
4	01DEC2008 07:14:39.912695	7	01DEC2008 07:14:39.912695	32
5	01DEC2008 07:14:40.162664	7	01DEC2008 07:14:40.162664	32
6	01DEC2008 07:14:40.412672	7	01DEC2008 07:14:40.412672	32
7	01DEC2008 07:14:40.662681	7	01DEC2008 07:14:40.662681	32
8	01DEC2008 07:14:40.912690	7	01DEC2008 07:14:40.912690	32
9	01DEC2008 07:14:41.162699	7	01DEC2008 07:14:41.162699	32
10	01DEC2008 07:14:41.412667	7	01DEC2008 07:14:41.412667	32
11	01DEC2008 07:14:41.662676	7	01DEC2008 07:14:41.662676	32
12	01DEC2008 07:14:41.912684	7	01DEC2008 07:14:41.912684	32
13	01DEC2008 07:14:42.162693	7	01DEC2008 07:14:42.162693	32
14	01DEC2008 07:14:42.412702	7	01DEC2008 07:14:42.412702	32
15	01DEC2008 07:14:42.662670	7	01DEC2008 07:14:42.662670	32
16	01DEC2008 07:14:42.787675	7	01DEC2008 07:14:42.787675	32
17	01DEC2008 07:14:42.912679	7	01DEC2008 07:14:42.912679	32
18	01DEC2008 07:14:43.162688	7	01DEC2008 07:14:43.162688	32
19	01DEC2008 07:14:43.412696	7	01DEC2008 07:14:43.412696	32
...	...	...	...	...

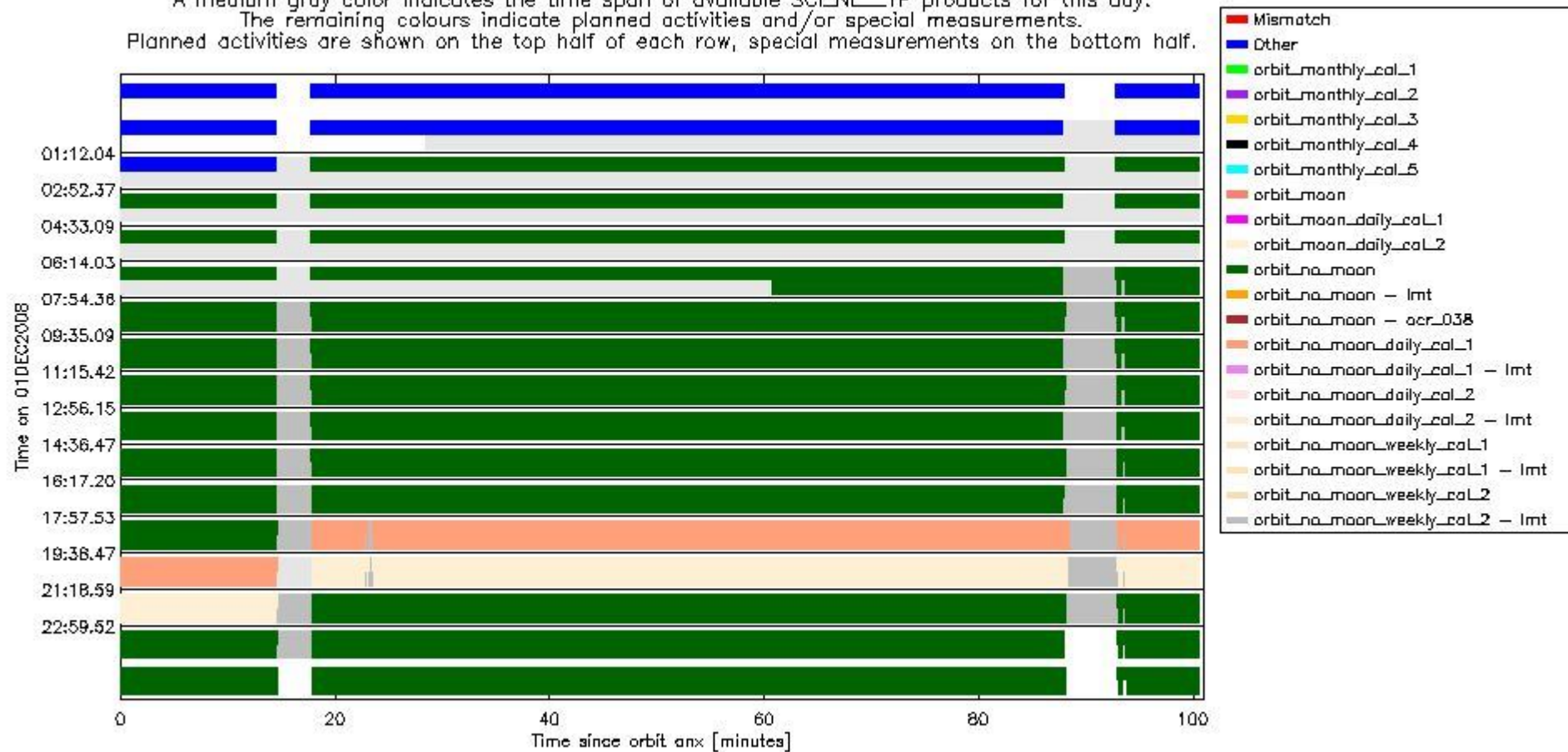


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081201\_5.PNG

This section gives an analysis of the DMOP execution. The execution is monitored by assigning various activities to timeline sequences found in the DMOP file, and by checking where "NEW" datasets are available in SCI\_NL\_\_1P products.

The following plot gives an overview of planned activities and actual state ids in the Level 0 products. The planning is taken from the DMOP files, and interpreted using information from OSDF files.

Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 01DEC2008.  
 A medium gray color indicates the time span of available SCI\_NL\_1P products for this day.  
 The remaining colours indicate planned activities and/or special measurements.  
 Planned activities are shown on the top half of each row, special measurements on the bottom half.



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081201\_6.PNG

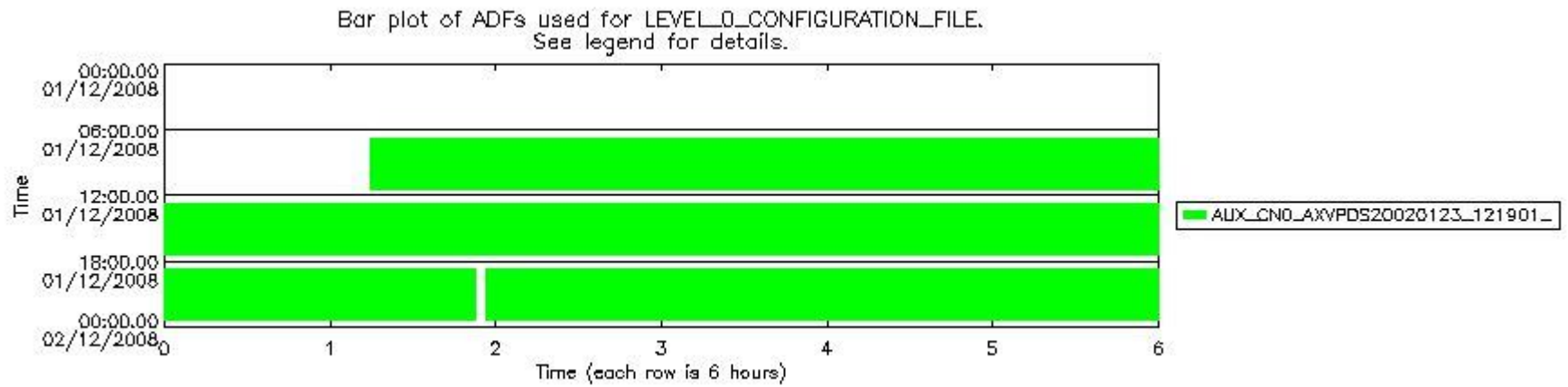
## 0.4 ADF monitoring

This section shows the (variation in) ADFs used for each of the products. It consists of:

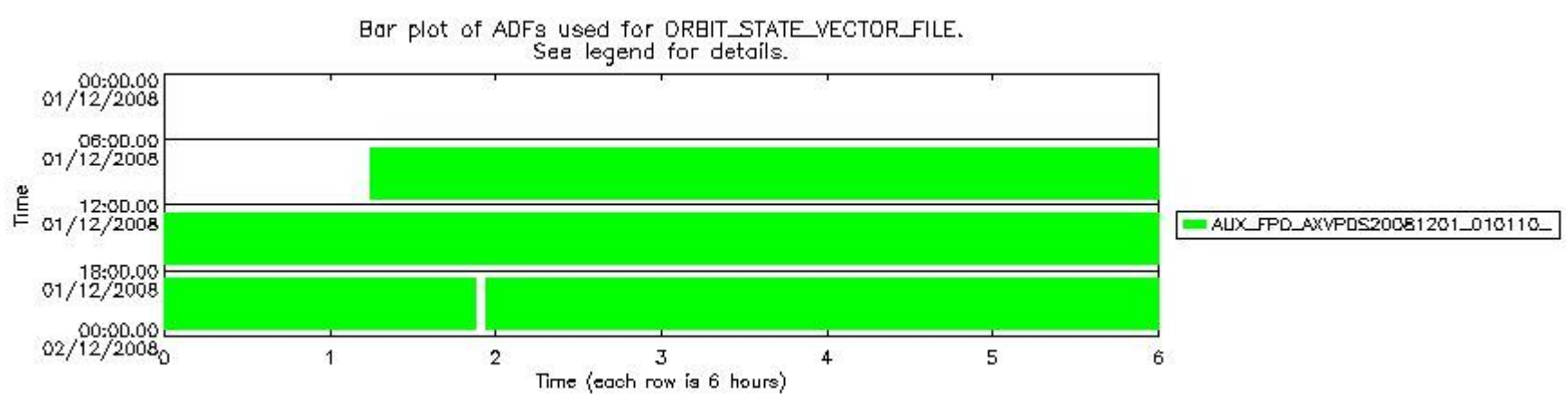
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

If multiple ADFs of a single type were used, these are marked **red** in the table.

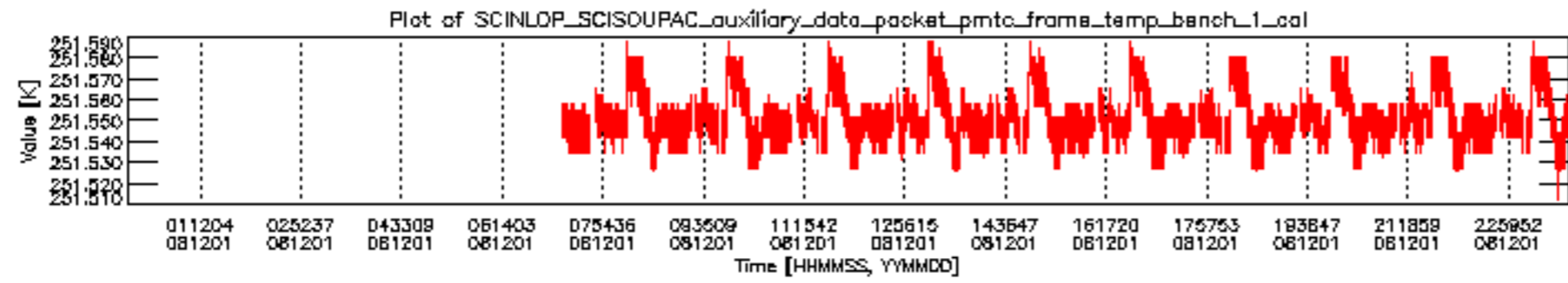
Number	ADF
	<b>CNO (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20081201_010110_20081130_182939_20081210_213629



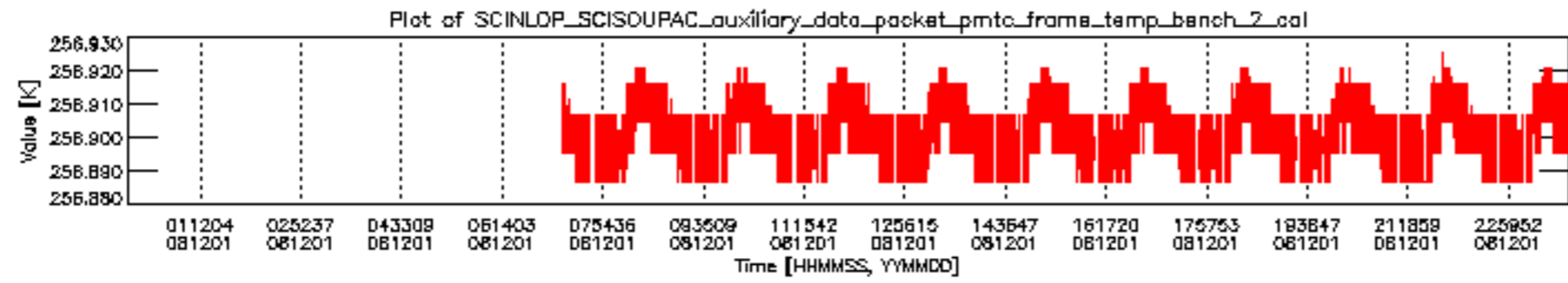
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081201\_7.PNG

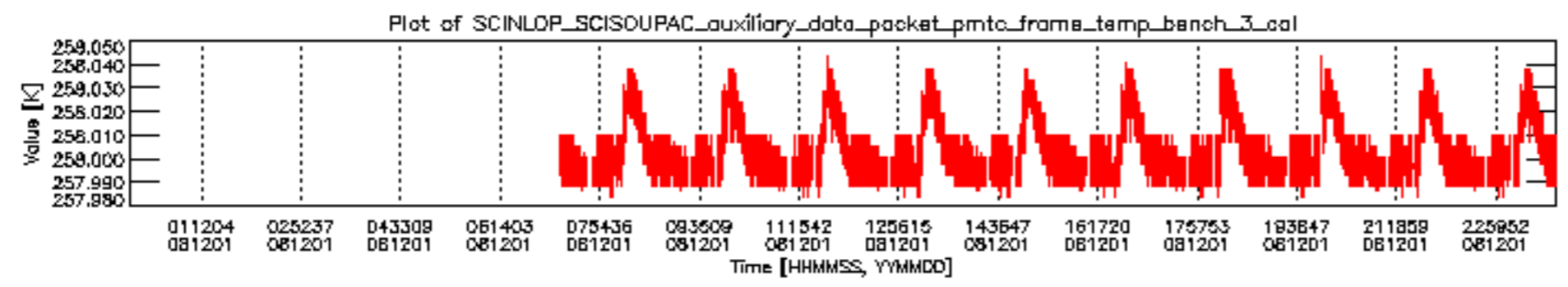


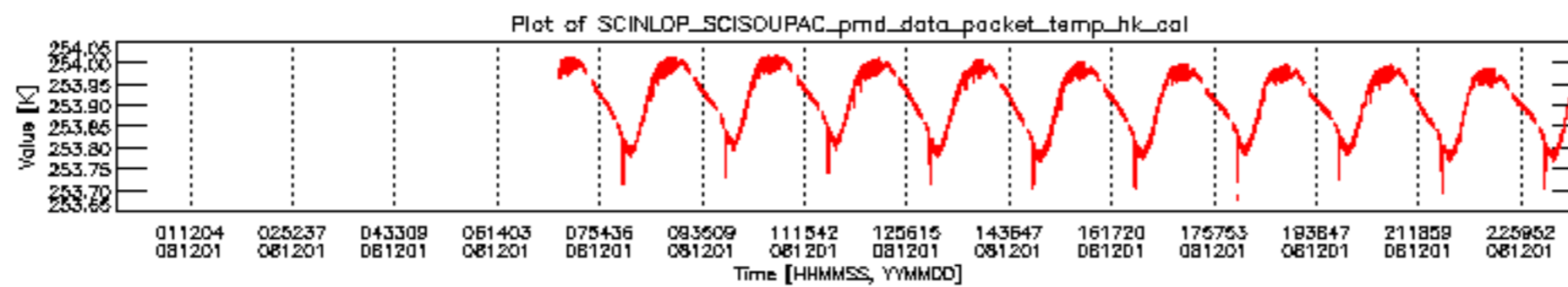
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081201\_8.PNG

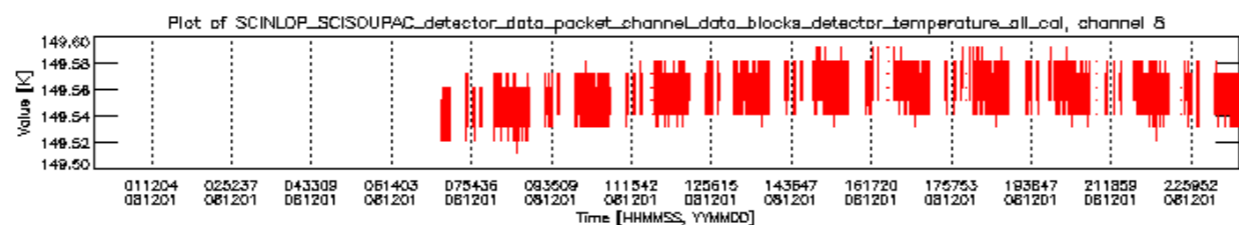
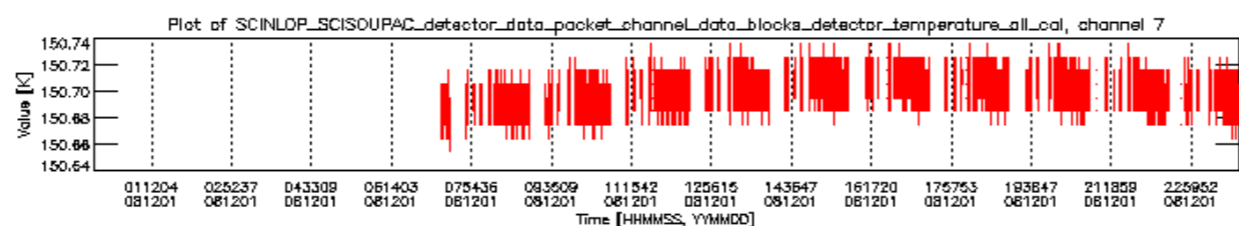
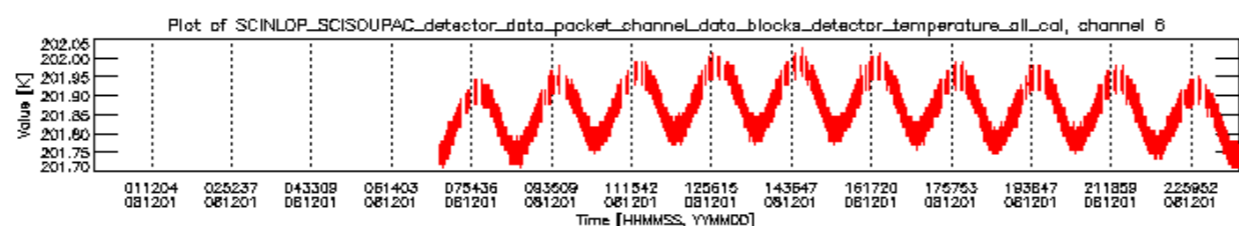
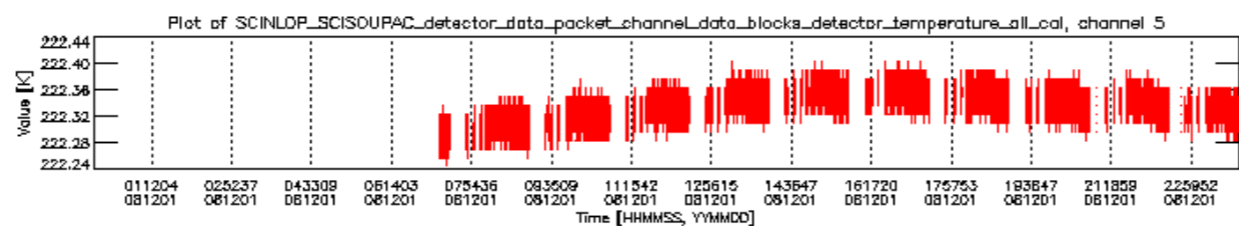
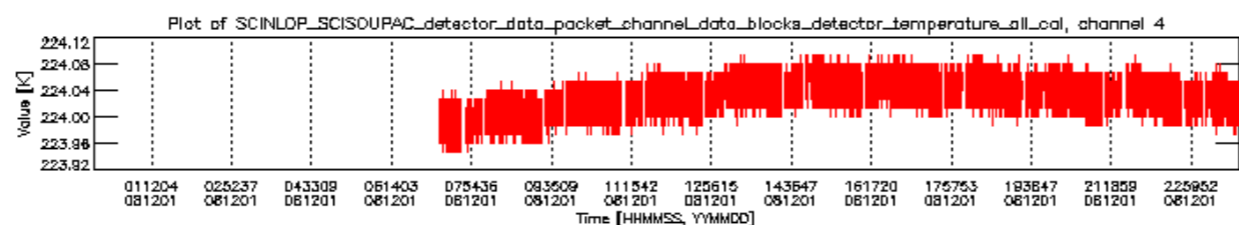
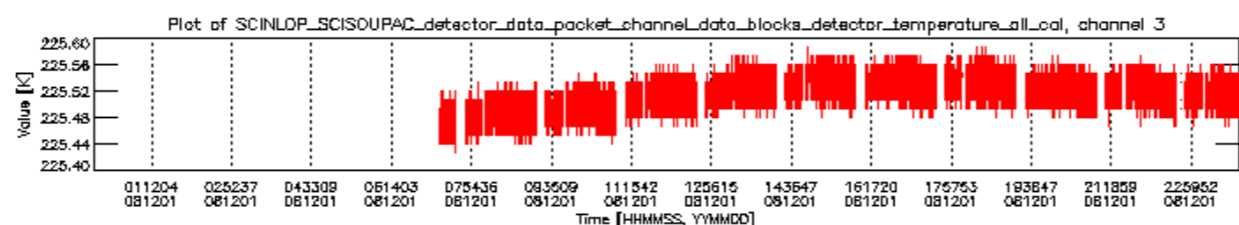
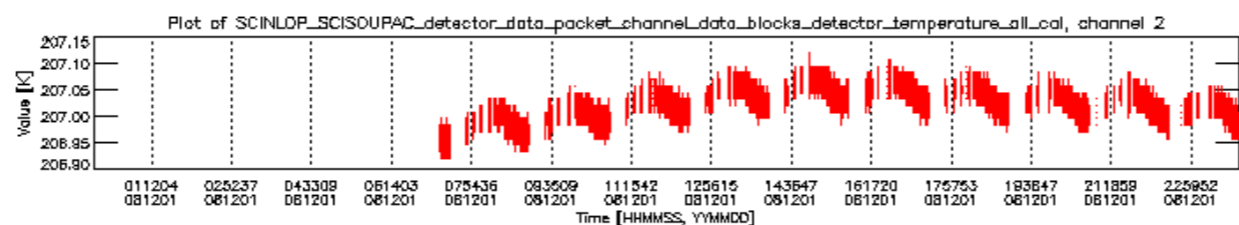
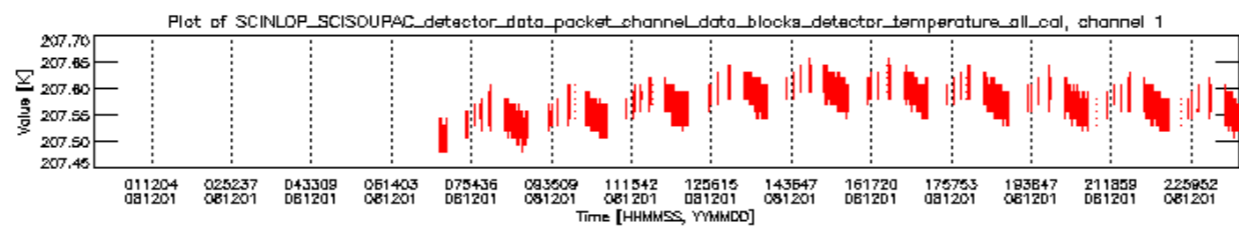




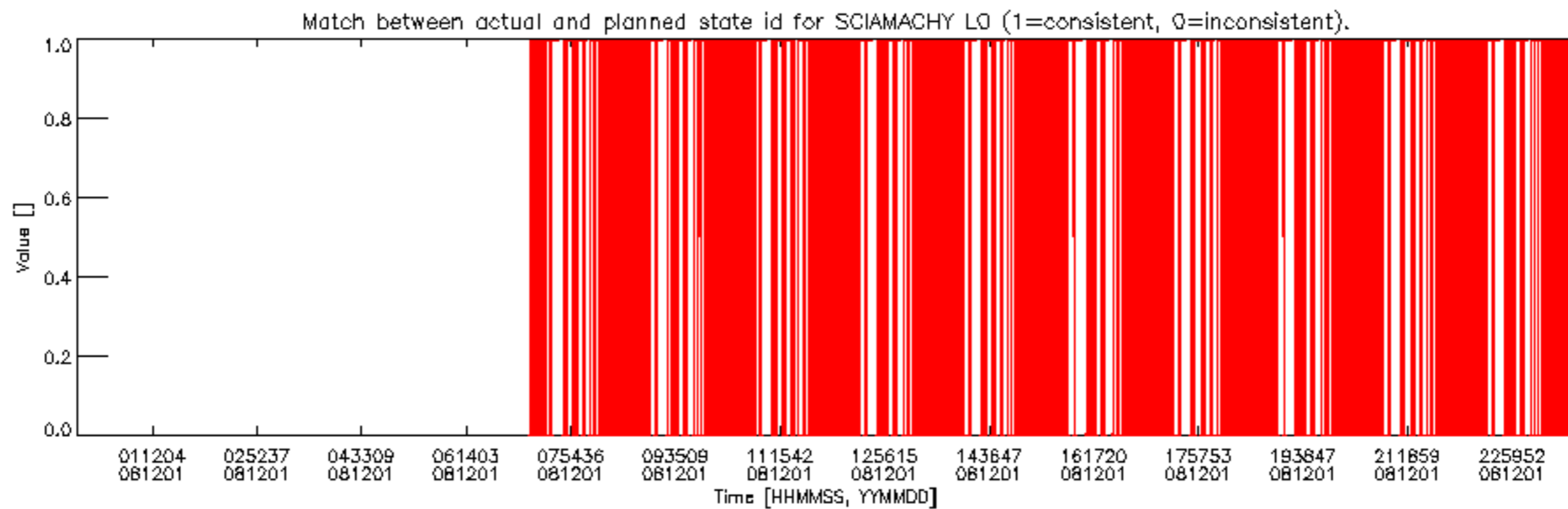
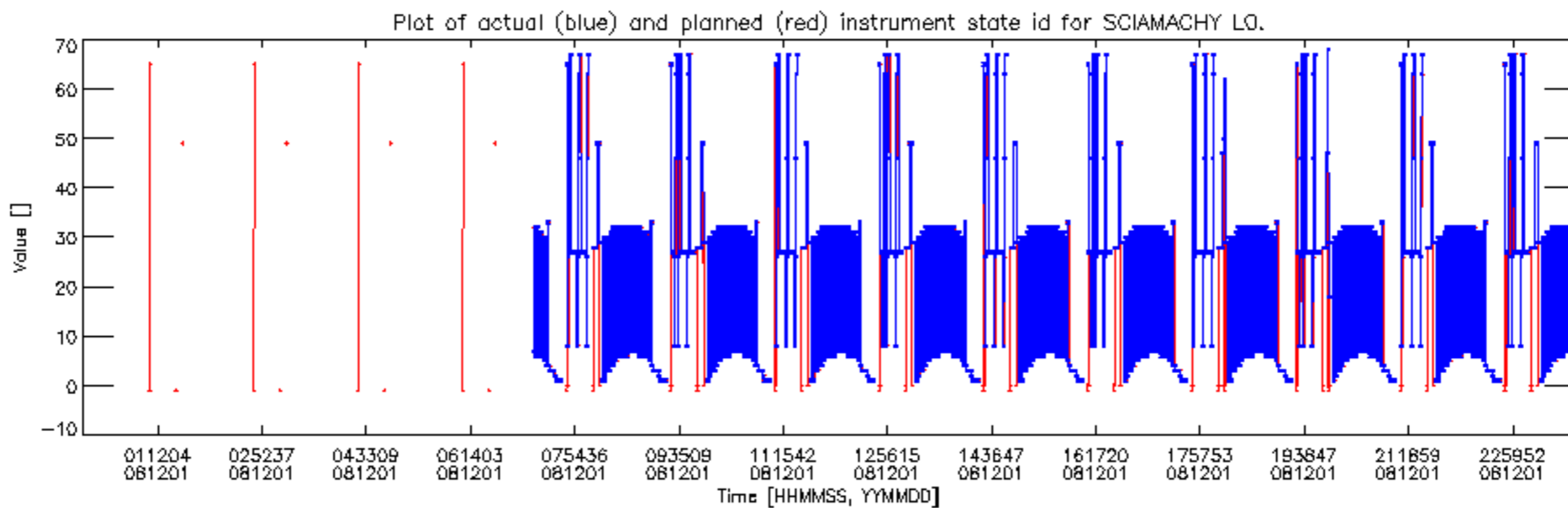












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 01DEC2008.  
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